

Title (en)
RAISE CAVING METHOD FOR MINING DEPOSITS, AND A MINING INFRASTRUCTURE, MONITORING SYSTEM, MACHINERY, CONTROL SYSTEM AND DATA MEDIUM THEREFOR

Title (de)
ERHEBUNGSVERBERGUNGSVERFAHREN FÜR BERGBAUABLAGERUNGEN UND BERGBAUINFRASTRUKTUR, ÜBERWACHUNGSSYSTEM, MASCHINE, STEUERUNGSSYSTEM UND DATENMEDIUM DAFÜR

Title (fr)
PROCÉDÉ DE FOUDROYAGE PAR MONTAGE POUR DÉPÔTS MINIERS, INFRASTRUCTURE D'EXPLOITATION MINIÈRE, SYSTÈME DE SURVEILLANCE, MACHINERIE, SYSTÈME DE COMMANDE ET SUPPORT DE DONNÉES ASSOCIÉS

Publication
EP 4153843 A4 20240724 (EN)

Application
EP 21809335 A 20210520

Priority
• SE 2050595 A 20200520
• SE 2150606 A 20210512
• SE 2021050477 W 20210520

Abstract (en)
[origin: WO2021236002A1] The present invention relates to an integrated raise caving mining method for mining deposits in rock mass comprising: developing at least one raise (102,102a-f,202,302a-g,402a-e) in the rock mass (10), developing a drawbell (100,100a-c, 200a-g,300a-f,400a-e) in the rock mass (10), wherein at least a portion of the drawbell is excavated from the at least one raise (102,102a-f,202,302a-g,402a-e), initiating caving through undercutting, wherein at least a part of an undercut is created by gradually expanding the drawbell (100,100a-c, 200a-g,300a-f,400a-e) in upwards direction by excavation, developing at least two drawpoints (106,206,406) into the drawbell (100,100a-c, 200a-g,300a-f,400a-e), wherein the drawpoints (106) are developed from drifts (115,207,407) arranged on different levels and progressively drawing fragmented rock (101) from the at least one drawbell through the drawpoints (106,206,406). The present invention also relates to use of an integrated raise caving mining method for mining deposits. The present invention also relates to an integrated raise caving mining infrastructure, a machinery, a control system of an integrated raise caving mining infrastructure, and a data medium.

IPC 8 full level
E21C 41/22 (2006.01); **E21C 41/16** (2006.01); **E21C 41/18** (2006.01)

CPC (source: EP US)
E21B 7/04 (2013.01 - US); **E21C 37/00** (2013.01 - US); **E21C 39/00** (2013.01 - US); **E21C 41/16** (2013.01 - EP US); **E21C 41/18** (2013.01 - EP); **E21C 41/22** (2013.01 - EP); **F42D 3/04** (2013.01 - US)

Citation (search report)
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• See also references of WO 2021236002A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2021236002 A1 20211125; AU 2021276093 A1 20230202; BR 112022023275 A2 20230124; CA 3183683 A1 20211125; CL 2022003268 A1 20230421; CN 116034209 A 20230428; EP 4153843 A1 20230329; EP 4153843 A4 20240724; US 2023203946 A1 20230629

DOCDB simple family (application)
SE 2021050477 W 20210520; AU 2021276093 A 20210520; BR 112022023275 A 20210520; CA 3183683 A 20210520; CL 2022003268 A 20221121; CN 202180049940 A 20210520; EP 21809335 A 20210520; US 202117999198 A 20210520